

PCT REQUEST

Rec'd PCT/PTO 08 APR 2005
107530941

CE10098EP

Duplicate of original printed on Thursday, 07 November, 2003 04:42:47 PM

0	For receiving Office use only	PCT/EP 03/50798
0-1	International Application No.	
0-2	International Filing Date	(07.11.03) 07 NOV 2003
0-3	Name of receiving Office and "PCT International Application"	EUROPEAN PATENT OFFICE PCT INTERNATIONAL APPLICATION

0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	epoline® online filing PCT plug-in (updated 07.11.2003)
0-6	Petition	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-8	Receiving Office (specified by the applicant)	European Patent Office (EPO) (RO/EP)
0-7	Applicant's or agent's file reference	CE10098EP
I	Title of invention	A DECODER APPARATUS AND METHOD OF DECODING THEREFOR
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	MOTOROLA INC
II-5	Address:	1303 E. Algonquin Road Schaumburg, IL 60196 United States of America
II-6	State of nationality	US
II-7	State of residence	US
II-8	Telephone No.	01256 790392
II-9	Facsimile No.	01256 811319
II-10	e-mail	derek.mccormack@motorola.com
II-11	Applicant's registration No. with the Office	000000
III-1	Applicant and/or Inventor	
III-1-1	This person is:	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	WHINNETT, Nicholas
III-1-5	Address:	Leverton House Barnfield Marlborough, Wiltshire SN8 2AX United Kingdom
III-1-6	State of nationality	GB
III-1-7	State of residence	GB

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PCT REQUEST

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III-2	Applicant and/or inventor	
III-2-1	This person is:	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	WOOD, Steven
III-2-5	Address:	Flat 4 307 Hotwell Road Hotwells, Bristol BS8 4nQ United Kingdom
III-2-6	State of nationality	GB
III-2-7	State of residence	GB
III-3	Applicant and/or inventor	
III-3-1	This person is:	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	YU, Xiaoyong
III-3-5	Address:	Motorola Inc 1475 W Shure Drive Arlington Heights, IL 60004 United States of America
III-3-6	State of nationality	US
III-3-7	State of residence	US
IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	LITCHFIELD, Laura
IV-1-2	Address:	Motorola European Intellectual Property Operations Midpoint, Alencon Link Basingstoke, Hampshire RG21 7PL United Kingdom
IV-1-3	Telephone No.	01256 790384
IV-1-4	Facsimile No.	01256 811319

PCT REQUEST

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V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	<p>AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT</p> <p>EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT</p> <p>EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT</p> <p>OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT</p>
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	<p>AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW</p>
V-3	Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
V-6	Exclusion(s) from precautionary designations	NONE
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	07 November 2002 (07.11.2002)
VI-1-2	Number	0225975.2
VI-1-3	Country	GB
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)

PCT REQUEST

CE10098EP

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	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	-
IX-2	Description	26	spec10.pdf
IX-3	Claims	6	spec10.pdf
IX-4	Abstract	1	spec10.pdf
IX-2b	Pre-conversion archive	-	-
IX-5	Drawings	1	draw10.pdf
IX-7	TOTAL	39	
IX-8	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-19	Fee calculation sheet	-	Fees.PDF
IX-19	Figure of the drawings which should accompany the abstract	1	
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Signed by	Subject: GB, Motorola, A. Chambers Issuer: DE, D-Trust GmbH, D-Trust for EPO 2.0	
X-1-2	Capacity	Authorised Representative (Agent 1)	

FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported International application	(07.11.03)	07 NOV 2003
10-2	Drawings:		
10-2-1	Received <input checked="" type="checkbox"/>		
10-2-2	Not received		
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported International application		

PCT REQUEST

Duplicate of original printed on Thursday, 07 November, 2003 04:42:47 PM

10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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Europäisches
Patentamt

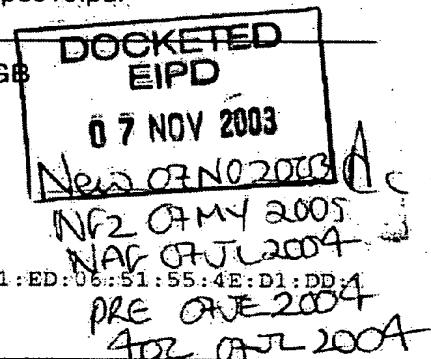
European
Patent Office

Office européen
des brevets

Acknowledgement of receipt

We hereby acknowledge receipt of your request for the processing of an international application according to the Patent Cooperation Treaty as follows:

Submission number	9143	
PCT application number	PCT/EP03/50798	
Date of receipt	7 November 2003	
Receiving Office	European Patent Office, The Hague	
Your reference	CE10098EP	
Applicant	MOTOROLA INC	
Number of applicants	4	
Country		
Title	A DECODER APPARATUS AND METHOD OF DECODING THEREFOR	
Documents submitted	Fees.PDF application-body.xml fee-sheet.xml pct101.GML request.xml	Pct101.PDF draw10.pdf package-data.xml pct101u.GML spec10.pdf
Submitted by	CN=A. Chambers, O=Motorola, C=GB	
Method of submission	Online	
Date and time receipt generated	7 November 2003, 10:37:26	
Digest	BA:78:81:E7:C5:2B:DD:EF:7B:81:ED:06:51:55:4E:D1:DD:4 D:1A:A4	



/European Patent Office/

OK Laura
3/11/03**PCT REQUEST**

Original (for SUBMISSION) - printed on Thursday, 06 November, 2003 04:42:47 PM

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101: PCT Request	
0-4-1	Prepared using	epoline@ online filing PCT plug-in (updated 06.11.2003)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant) European Patent Office (EPO) (RO/EP)	
0-7	Applicant's or agent's file reference CE10098EP	
I	Title of Invention A DECODER APPARATUS AND METHOD OF DECODING THEREFOR	
II	Applicant	
II-1	This person is: applicant only	
II-2	Applicant for all designated States except US	
II-4	Name MOTOROLA INC	
II-5	Address: 1303 E. Algonquin Road Schaumburg, IL 60196 United States of America	
II-6	State of nationality US	
II-7	State of residence US	
II-8	Telephone No. 01256 790392	
II-9	Facsimile No. 01256 811319	
II-10	e-mail derek.mccormack@motorola.com	
II-11	Applicant's registration No. with the Office 000000	
III-1	Applicant and/or Inventor	
III-1-1	This person is: applicant and inventor	
III-1-2	Applicant for US only	
III-1-4	Name (LAST, First) WHINNETT, Nicholas	
III-1-5	Address: Leverton House Barnfield Marlborough, Wiltshire SN8 2AX United Kingdom	
III-1-6	State of nationality GB	
III-1-7	State of residence GB	

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III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	WOOD, Steven
III-2-5	Address:	Flat 4 307 Hotwell Road Hotwells, Bristol BS8 4nQ United Kingdom
III-2-6	State of nationality	GB
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III-3	Applicant and/or inventor	
III-3-1	This person is:	applicant and inventor
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III-3-4	Name (LAST, First)	YU, Xiaoyong
III-3-5	Address:	Motorola Inc 1475 W Shure Drive Arlington Heights, IL 60004 United States of America
III-3-6	State of nationality	US
III-3-7	State of residence	US
IV-1	Agent or common representative; or address for correspondence	agent
	The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	
IV-1-1	Name (LAST, First)	LITCHFIELD, Laura
IV-1-2	Address:	Motorola European Intellectual Property Operations Midpoint, Alencon Link Basingstoke, Hampshire RG21 7PL United Kingdom
IV-1-3	Telephone No.	01256 790384
IV-1-4	Facsimile No.	01256 811319

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V-6	Exclusion(s) from precautionary designations	NONE
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	07 November 2002 (07.11.2002)
VI-1-2	Number	0225975.2
VI-1-3	Country	GB
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)

PCT REQUEST

Original (for SUBMISSION) - printed on Thursday, 06 November, 2003 04:42:47 PM

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VIII		Declarations	Number of declarations
VIII-1		Declaration as to the identity of the inventor	-
VIII-2		Declaration as to the applicant's entitlement, as at the International filing date, to apply for and be granted a patent	-
VIII-3		Declaration as to the applicant's entitlement, as at the International filing date, to claim the priority of the earlier application	-
VIII-4		Declaration of Inventorship (only for the purposes of the designation of the United States of America)	-
VIII-5		Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-
IX		Check list	number of sheets
IX-1		Request (including declaration sheets)	5
IX-2		Description	26
IX-3		Claims	6
IX-4		Abstract	1
IX-2b		Pre-conversion archive	-
IX-5		Drawings	1
IX-7		TOTAL	39
Accompanying items		paper document(s) attached	electronic file(s) attached
IX-8		Fee calculation sheet	-
IX-19		Figure of the drawings which should accompany the abstract	1
IX-20		Language of filing of the International application	English

FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported International application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported International application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

PCT REQUEST

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11-1	Date of receipt of the record copy by the International Bureau
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PATENT COOPERATION TREATY

PCT

NOTIFICATION OF RECEIPT OF
RECORD COPY 8 MAR 2004
(PCT Rule 24.2(a))

RECEIVED

From the INTERNATIONAL BUREAU

To:

LITCHFIELD, Laura
Motorola European Intellectual
Property Operations
Midpoint, Alencon Link
Basingstoke
Hampshire RG21 7PL
United Kingdom

Date of mailing (day/month/year)
02 March 2004 (02.03.2004)

IMPORTANT NOTIFICATION

Applicant's or agent's file reference
CE10098EP

International application No.
PCT/EP2003/050798

The applicant is hereby notified that the International Bureau has received the record copy of the International application as detailed below.

Name(s) of the applicant(s) and State(s) for which they are applicants:

MOTOROLA INC (for all designated States except US)
WHINNETT, Nicholas et al (for US)

International filing date : 07 November 2003 (07.11.2003)
Priority date(s) claimed : 07 November 2002 (07.11.2002)

Date of receipt of the record copy by the International Bureau : 20 February 2004 (20.02.2004)

List of designated Offices

AP :BW,GH,GM,KE,LS,MW,MZ,SD,SL,SZ,TZ,UG,ZM,ZW
EA :AM,AZ,BY,KG,KZ,MD,RU,TJ,TM
EP :AT,BE,BG,CH,CY,CZ,DE,DK,EE,ES,FI,FR,GB,GR,HU,IE,IT,LU,MC,NL,PT,RO,SE,SI,SK,TR
OA :BF,BJ,CF,CG,CI,CM,GA,GN,GO,GW,ML,MR,NE,SN,TD,TG
National :AE,AG,AL,AM,AT,AU,AZ,BA,BB,BG,BR,BY,BZ,CA,CH,CN,CO,CR,CU,CZ,DE,DK,DM,DZ,
EC,EE,EG,ES,FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,JP,KE,KG,KP,KR,KZ,LC,LK,LR,LS,LT,
LU,LV,MA,MD,MG,MK,MN,MW,MX,MZ,NI,NO,NZ,OM,PG,PH,PL,PT,RO,RU,SC,SD,SE,SG,SK,SL,SY,
TJ,TM,TN,TR,TT,TZ,UA,UG,US,UZ,VC,VN,YU,ZA,ZM,ZW

DOCKETED
EIPD

16 MAR 2004

NO 2004/2005 DC

ATTENTION

The applicant should carefully check the data appearing in this Notification. In case of any discrepancy between these data and the indications in the international application, the applicant should immediately inform the International Bureau.

In addition, the applicant's attention is drawn to the information contained in the Annex, relating to:

- time limits for entry into the national phase - see updated important information (as of April 2002)
- confirmation of precautionary designations (if applicable)
- requirements regarding priority documents (if applicable)

A copy of this Notification is being sent to the receiving Office and to the International Searching Authority.

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 338-7080

Authorized officer:

Carole GAUD

Telephone No. (41-22) 338-8227

INFORMATION ON TIME LIMITS FOR ENTERING THE NATIONAL PHASE

The applicant is reminded that the "national phase" must be entered before each of the designated Offices indicated on the cover sheet of this Notification by paying national fees and furnishing translations, as prescribed by Articles 22 and 39 and the applicable national laws. In addition, the applicant may also have to comply with other special requirements applicable in certain Offices. It is the applicant's responsibility to ensure the necessary steps to enter the national phase are taken in a timely fashion. Most Offices do not issue reminders to applicants in connection with the entry into the national phase.

The applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from the priority date, not only in respect of any elected Office where a demand for international preliminary examination is filed before the expiration of 19 months from the priority date (see Article 39(1)), but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see PCT Gazette No. 44/2001 of 1 November 2001, pages 19928, 19932 and 19934, as well as the PCT Newsletter, October and November 2001 and February 2002 issues.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the PCT Gazette ("Section IV" part published on a weekly basis), to the PCT Newsletter (on a monthly basis) and to the relevant National Chapters in Volume II of the PCT Applicant's Guide (the paper version of which is updated usually twice a year and the Internet version of which is updated usually on a weekly basis). Finally, a cumulative table of all applicable time limits for entering the national phase is available from WIPO's Internet site, via links from various pages the site including those of the Gazette, Newsletter and Guide, at: <http://www.wipo.int/pct/en/index.html>.

Information about the requirements for filing a demand for international preliminary examination is set out in the PCT Applicant's Guide, Volume I/A, Chapter IX. Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

CONFIRMATION OF PRECAUTIONARY DESIGNATIONS

This notification lists only specific designations made under Rule 4.9(a) in the request. It is important to check that these designations are correct. Errors in designations can be corrected where precautionary designations have been made under Rule 4.9(b). The applicant is hereby reminded that any precautionary designations may be confirmed according to Rule 4.9(c) before the expiration of 16 months from the priority date (this time limit may not be extended). If it is not confirmed, it will automatically be regarded as withdrawn by the applicant. There will be no reminder and no invitation. Confirmation of a designation consists of the filing of a notice specifying the designated State concerned (with indication of the kind of protection or treatment desired) and the payment of the designation and confirmation fees. The Notice of confirmation and payment must reach the receiving Office within the 15-month time limit.

REQUIREMENTS REGARDING PRIORITY DOCUMENTS

For applicants who have not yet complied with the requirements regarding priority documents, the following is recalled.

Where the priority of an earlier national, regional or international application is claimed, the applicant must submit a copy of the said earlier application, certified by the authority with which it was filed ("the priority document") to the receiving Office (which will transmit it to the International Bureau) or directly to the International Bureau, before the expiration of 16 months from the priority date, provided that any such priority document may still be submitted to the International Bureau before that date of international publication of the international application, in which case that document will be considered to have been received by the International Bureau on the last day of the 16-month time limit (Rule 17.1(a)).

Where the priority document is issued by the receiving Office, the applicant may, instead of submitting the priority document, request the receiving Office to prepare and transmit the priority document to the International Bureau. Such request must be made before the expiration of the 16-month time limit and may be subjected by the receiving Office to the payment of a fee (Rule 17.1(b)).

If the priority document concerned is not submitted to the International Bureau or if the request to the receiving Office to prepare and transmit the priority document has not been made (and the corresponding fee, if any, paid) within the applicable time limit indicated under the preceding paragraphs, any designated State may disregard the priority claim, provided that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within the time limit which is reasonable under the circumstances.

Where several priorities are claimed, the priority date to be considered for the purposes of computing the 16-month time limit is the filing date of the earliest application whose priority is claimed.

PATENT COOPERATION TREATY

PCT

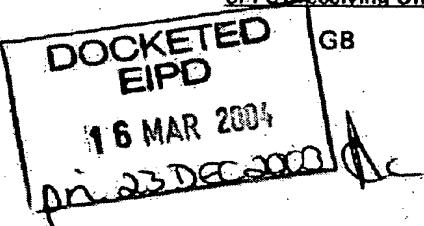
NOTIFICATION CONCERNING
SUBMISSION OR TRANSMITTAL
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

LITCHFIELD, Laura
 Motorola European Intellectual
 Property Operations
 Midpoint, Alencon Link
 Basingstoke
 Hampshire RG21 7PL
 United Kingdom

Date of mailing (day/month/year) 02 March 2004 (02.03.2004)			
Applicant's or agent's file reference CE10098EP	IMPORTANT NOTIFICATION		
International application No. PCT/EP2003/050798	International filing date (day/month/year) 07 November 2003 (07.11.2003)		
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 07 November 2002 (07.11.2002)		
Applicant: MOTOROLA INC et al			
<p>1. By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).</p> <p>2. (If applicable) The letters "NR" appearing in the right-hand column denote a priority document which, <u>on the date of mailing of this Form</u>, had not yet been received by the International Bureau under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.</p> <p>3. (If applicable) An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b) (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.</p>			
Priority date 07 Nov 2002 (07.11.2002)	Priority application No. 0225975.2	Country or regional Office or PCT receiving Office GB	Date of receipt of priority document 23 Dec 2003 (23.12.2003)
			

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Carole GAUD
Facsimile No. (41-22) 338-7080	Telephone No. (41-22) 338 8227

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:	MOTOROLA EUROPEAN INTELLECTUAL PROPERTY OPERATIONS Attn. Litchfield, Laura Midpoint, Alencon Link, Basingstoke, Hampshire RG21 7PL UNITED KINGDOM	
	EIPD	RECEIVED
	09 FEB 2004	

NOTIFICATION OF RECEIPT OF SEARCH COPY

(PCT Rule 25.1)

Date of mailing
(day/month/year)

05/02/2004

Applicant's or agent's file reference

CE10098EP

IMPORTANT NOTIFICATION

International application No.

PCT/EP 03/50798

International filing date (day/month/year)

07/11/2003

Priority date (day/month/year)

07/11/2002

Applicant:

MOTOROLA INC.

1. Where the International Searching Authority and the Receiving Office are not the same office:

The applicant is hereby notified that the search copy of the international application was received by this International Searching Authority on the date indicated below.

Where the International Searching Authority and the Receiving Office are the same office:

The applicant is hereby notified that the search copy of the international application was received on the date indicated below.

18/12/2003

(date of receipt).

2. The search copy was accompanied by a nucleotide and/or amino acid sequence listing in computer-readable form.

3. Time limit for establishment of International Search Report:

The applicant is informed that the time limit for establishing the International Search Report is 3 months from the date of receipt indicated above or 9 months from the priority date, whichever time limit expires later.

REDOCKETED
EIPD
10 FEB 2004
NON 18 MAR 2004

4. A copy of this notification has been sent to the International Bureau and, where the first sentence of paragraph 1 applies, to the Receiving Office.

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5818 Patentlaan 2,
NL-2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

ISA/EP

PATENT COOPERATION TR

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:	MOTOROLA EUROPEAN INTELLECTUAL PROPERTY OPERATIONS Attn. Litchfield, Laura Midpoint, Alencon Link, Basingstoke, Hampshire RG21 7PL UNITED KINGDOM
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COMMUNICATION IN CASES FOR WHICH
NO OTHER FORM IS APPLICABLE

Applicant's or agent's file reference CE10098EP	Date of mailing (day/month/year) 05/02/2004
International application No. PCT/EP 03/50798	REPLY DUE See paragraph 1 below
International filing date (day/month/year) 07/11/2003	

Applicant

MOTOROLA INC.

1. <input type="checkbox"/> REPLY DUE within _____ days from the above date of mailing <input checked="" type="checkbox"/> NO REPLY DUE	DOCKETED EPO 10 FEB 2004 No Date Added AC
2. COMMUNICATION:	
<p>The applicant is informed that establishment of the international search report (ISR) for non first filings may be delayed due to a current search backlog.</p> <p>Although the time limit for entering the national phase before designated offices under Article 22(1) PCT and elected offices under Article 39(1) PCT has, with effect from 1 April 2002 (see PCT Gazette 44/2001 Section IV) been set at 30 months from the priority date (before the EPO the time limit is 31 months from the priority date - see Rule 107 EPC as amended with effect from 2 January 2002 - OJ EPO 8-9/2001, 373) not all PCT contracting states have yet made the necessary changes to their national laws and will for the time being continue to require entry to the national phase at 20/21 months from the priority date if a demand has not been filed before the end of 19 months from the priority date - see PCT Gazette/PCT Newsletter available on the WIPO internet site at http://www.wipo.int/pct/en/index.html for an up-to date list of the applicable time limits.</p> <p>In these circumstances, the EPO acting as IPEA will accept, without any late payment fee under Rule 58bis PCT, the handling fee and the preliminary examination fee due in respect of the demand relating to the present application, even if they are not paid within the time limit prescribed in Rules 57.3 and 58.1(b) PCT, provided that they are paid within one month from the date of transmittal of the ISR; i.e., the EPO will only send an invitation pursuant to Rule 58bis.1(a) PCT after expiry of the one-month period. In all cases where the EPO has sent an invitation to pay and the applicant has not paid in full the amount due, the demand shall be considered as if it had not been submitted (Rule 58bis.1(b)-(d) PCT). A loss of rights may well be the consequence in designated states where the time limit for entry into the national phase under Article 22 PCT has already expired (see also Article 37(4) PCT).</p> <p>Note that if the competent IPEA chosen by the applicant is not the EPO and if the fees mentioned above are not paid within the time limit prescribed in Rules 57.3 and 58.1(b) PCT, the competent IPEA is entitled to apply Rule 58bis.1(a) PCT immediately thereafter.</p> <p>If your application is affected, we apologise for any inconvenience caused.</p> <p>Finally, applicants are reminded that as of 3 January 2002 a rationalised PCT II procedure may apply, see OJ EPO 11/2001, 539 and that the EPO as ISA will not carry out international search on an application which relates to no more than a method of doing business, see OJ EPO 10/2001, 482. Applicants should also bear in mind the restriction of the EPO's competence as ISA and IPEA in certain technical fields in respect of certain international applications, see OJ EPO 1/2002, 52 and PCT Newsletter 1/2002 for further details.</p>	

Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer ISA/EP
--	----------------------------------

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

To:

Litchfield, Laura
MOTOROLA EUROPEAN INTELLECTUAL
PROPERTY OPERATIONS
Midpoint, Alencon Link
Basingstoke
Hampshire RG21 7PL
GRANDE BRETAGNE

NOTIFICATION OF THE INTERNATIONAL
APPLICATION NUMBER AND OF THE
INTERNATIONAL FILING DATE

(PCT Rule 20.5(c))

Date of mailing:
(day/month/year)

18 DEC 2003

Applicant's or agent's file reference
CE 10098EP

IMPORTANT NOTIFICATION

International application No.
PCT/EP 03/50798

International filing date (day/month/year)
07/11/2003

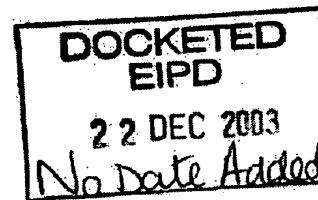
Priority date (day/month/year)
07/11/2002

Applicant

MOTOROLA INC

Title of the invention

1. The applicant is hereby notified that the international application has been accorded the international application number and the international filing date indicated above.
2. The applicant is further notified that the record copy of the international application was transmitted to the International Bureau on the above date of mailing.
3. Other: _____



* The International Bureau monitors the transmittal of the record copy by the receiving Office and will notify the applicant (with Form PCT/IB/301) of its receipt. Should the record copy not have been received by the expiration of 14 months from the priority date, the International Bureau will notify the applicant (Rule 22.1(c)).

Name and mailing address of the Receiving Office
European Patent Office, P.B. 5818 Patentlaan 2
NL-2280 HV Rijswijk
Tel. (+31-70) 340-2040
Fax: (+31-70) 340-3016

Authorized officer


C.A.J.A. PASCHE

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:
**MOTOROLA EUROPEAN INTELLECTUAL
PROPERTY OPERATIONS**
 Attn. Litchfield, Laura
 Midpoint, Alencon Link,
 Basingstoke, Hampshire
 RG21 7PL
 UNITED KINGDOM

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)

		Date of mailing (day/month/year)	08/04/2004
Applicant's or agent's file reference CE10098EB		FOR FURTHER ACTION	See paragraphs 1 and 4 below
International application No. PCT/EP 03/50798		International filing date (day/month/year)	07/11/2003
Applicant MOTOROLA INC		RECEIVED	

1. The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland
 Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after 18 months from the priority date, the International application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for International publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31651-epo nl. Fax: (+31-70) 340-3016	Authorized officer Carole Emery
--	---

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

This applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the International application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether:

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

1. [Where originally there were 48 claims and after amendment of some claims there are 51]:
"Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
2. [Where originally there were 15 claims and after amendment of all claims there are 11]:
"Claims 1 to 15 replaced by amended claims 1 to 11."
3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
"Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
4. [Where various kinds of amendments are made]:
"Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference CE10098EP	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 03/50798	International filing date (day/month/year) 07/11/2003	(Earliest) Priority Date (day/month/year) 07/11/2002
Applicant MOTOROLA INC		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report.

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :

contained in the international application in written form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

4. With regard to the title;

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

ITERATIVE DECODING WITH LIKELIHOOD WEIGHTING

5. With regard to the abstract.

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

1

None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

EP 03/50798

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 063 776 A (FUJITSU LTD) 27 December 2000 (2000-12-27) column 7, paragraph 51 column 12, paragraph 102 column 13, paragraph 105 -column 14, paragraph 111 column 15, paragraphs 119,121 column 16, paragraph 134 -column 17, paragraph 134 column 19, paragraph 153 -column 20, paragraph 153 figures 3,5-7 ---- ----	1-30

 Further documents are listed in the continuation of box C Patent family members are listed in annex.

* Special categories of cited documents

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

& document member of the same patent family

Date of the actual completion of the international search

1 April 2004

Date of mailing of the international search report

08/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818, Patentlaan 2
NL-2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Papantoniou, A

INTERNATIONAL SEARCH REPORT

International Application No

EP 03/50798

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HAGENAUER, J.: "SOURCE-CONTROLLED CHANNEL DECODING" IEEE TRANSACTIONS ON COMMUNICATIONS, IEEE INC., NEW YORK, US, Vol. 43, no. 9, 1 September 1995 (1995-09-01), pages 2449-2457, XP000525669 ISSN: 0090-6778 page 2451, right-hand column, line 19 - line 36 page 2453, right-hand column, line 12 - line 33 page 2454, right-hand column, line 2 -page 2455, left-hand column, line 3; figure 6	1,3,4, 18-20, 24,27-30
X	WO 01 43294 A (SIEMENS AG ; XU WEN (DE)) 14 June 2001 (2001-06-14) page 5, line 4 - line 8 page 6, line 15 - line 32 page 7, line 14 - line 29 page 11, line 5 - line 22 page 9, line 6 - line 16 page 12, line 5 - line 34	1-4, 18-24, 27-30

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

EP 03/50798

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 1063776	A	27-12-2000	JP 2001007711 A	12-01-2001
			EP 1063776 A2	27-12-2000
			US 6526539 B1	25-02-2003
WO 0143294	A	14-06-2001	DE 19959178 A1	13-06-2001
			CN 1433590 T	30-07-2003
			WO 0143294 A1	14-06-2001
			DE 50003233 D1	11-09-2003
			EP 1252716 A1	30-10-2002
			US 6677865 B1	13-01-2004

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